

1907 no. 1

New Mexico
Arizona
California

Vernon Bailey

1834 KALORAMA AVE.

Washington D.C.

1907.

4 P.M.
or Calif.

ry.

the
in ridge

ent
or
.

u.

u.

no.

at beach

May 27

Left Washington, B & O at 4 P.M.
for St. Louis, El Paso & Calif.
Corn just coming up.

Dark after Harpers Ferry.

May 28

Breakfast at Cincinnati.
A cold night, frost on ridge.
Crops backward -
Corn not up

Kincennes - Ind.

Winter sown headed out
wheat small & poor -
Corn up in some fields.

St. Louis 5:27 P.M.

May 29 Kansas City 7:50 A.M.

Left K. C. at 9:55 A.M.

Topeka

Crops ahead of Ill. & Mo.

Corn up in rows

Rye & some barley & wheat heads
some alfalfa

McPherson

More open plains
Orange orange hedges
Some good orchards
Lepus melanotis 4
Citellus 13lineatus 1

Hannan

Lepus melanotis 3
R.R. crossing
Yucca glauca in flower
Mulberry grove
Lepus melanotis 1

Hutchinson

Big prairie town
Big dry canal
Partridge
Lepus melanotis 4
somewhat little town

Lepus melanotis 9

Laragon

Lepus melanotis 3

Preston

Burrowing owl 2
1 *Lepus melanotis* 3

Proctor

L. melanotis, 7 in one hollow

Park near Oklahoma line

May 30.

Daylight at Tucuman
Raining, grass well up
Santa Rosa 8 AM. 4700
Yucca glauca not in blossom
Mesquite leaves not out
Gutierrezia - getting green
Viburnum in full flower
Leonita

Torrance

Pinus ponderosa - on hills
" edulis " "
Juniperus monosperma
Quercus gambeli - shrubby, abn.
Yucca baccata com
" *glauca* "
Rhus trilobata "
Opuntia arborescens "
Atriplex canescens a
Gutierrezia euthamiae "

Corrigo

5 miles south of Corrigo
Cordia alliodora begins, com
Mesquite, in top " "

Tulsa

Alamogordo
Yucca radiata beginning to flower
Cordia - 2 per flower

El Paso 5:30 Cold

Fraxinea, buds, no leaves

Deming, 7:30 P.M.

May 31 Deming

Misquits in full leaf & blossom

Yucca radiosa, in bud only.

Coudalia

Zizyphus

Ephedra

Artemisia filifolia abu

Chilopsis ~

Cnecrobita megarrhiza

"

Rumex alata, ^{vine} big roots,

Mullberry com

Populus

Opuntia arborescens? a few

Lissaea salicifolia? com

" glutinosa? "

Deming to Silver

Cynomys ludovicianus, abu. +
young just out of burrows

Citellus spilosoma 3,

Lepus texianus

" arizonae com

Dipodomys spectabilis, abu.

Thomomys hills, com.

Neotoma house "

Canis meatus 1

Lepidea 1

Deming May 30-31

| | |
|------------------------------|--------------|
| <i>Agelaius vociferus</i> | heard |
| <i>Buteo swainsoni</i> | com |
| <i>Zenaidura</i> | " |
| <i>Chondestes</i> | 2 |
| <i>Tyrannus vociferans</i> | com. |
| <i>Myiarchus cinerascens</i> | 1 |
| <i>Sayornis saya</i> | 2 |
| <i>Coscorus cryptoleucus</i> | 3 |
| <i>Otocoris</i> | 1 |
| <i>Icterus bullocki</i> | in town com. |
| <i>Carpodacus frontalis</i> | " " |
| <i>Zonotrichia</i> | " " |
| <i>Passer domesticus</i> | " " |
| <i>Hirundo</i> nests | " " |
| <i>Mimus polyglottos</i> | " |
| <i>Colaptes auratus</i> | 4 |
| <i>Geococcyx</i> | 2 |
| <i>Aquila chrysaetos</i> | 2 |

June 1

Icterus perisoreus 2 a pair
Spectyto + family of yg.
Cactus wren + nest
Tyrannus verticalis com.
Geococcyx 2

Silver City May 31.

Blue Grosbeak 1 in town
Chondestes com.

June 1, Deming 2:30 PM

Same vegetation all along
 to Gage - & beyond -
 Red Mtn. - all bare,
 North slope may be Upper Sonoran,
 Victoria Mts, bare rocks, low,
 bushes only on N. slopes
 Valley lower Sonoran
 Super
 Lower Sonoran
 Lordsburg

Lordsburg June 2 -

| | |
|-----------------------------------|-------------|
| <i>Tyrannus verticalis</i> | com, nests |
| <i>Myiarchus cinerascens</i> | com |
| <i>Contopus richardsoni</i> | 2 |
| <i>Tamias</i> | com |
| <i>Otocoris</i> | " |
| <i>Hirundo</i> + nests | " |
| <i>Harporhynchus curvirostris</i> | 2 |
| <i>Sayornis saya</i> | |
| <i>Amphispiza bilineata</i> | abu |
| <i>Icterus perisoreus</i> | 2 |
| <i>Zenaidura</i> + nest | com |
| <i>Mimus polyglottos</i> | " |
| <i>Colaptes platycarpus</i> | 2 heard |
| <i>Passer domesticus</i> | com in town |
| <i>Chondestes</i> | 4 |

Lordsburg June 2

Covillea abn
Prosopis glandulosa com
Koeberlinia "
Ephedra "
Lissaria glutinosa? "
Condalia "
Rhus microphylla "
Prosopis pubescens in vetch
Lysium anglicum u.s.
" palida a few
Opuntia gelotia com
" leptocaulis "
" engelmannii a few
" purple pads, few of purple
" brownish com
Echinocactus wislizeni on ridge
Mammillaria 1 big flat
Agave big, a few
Sarcocolla on hills, com
Yucca radiosa abn
" baccata a few
" ~~minima~~ ^{minima} ~~romana~~ ^{romana}? com
Atriplex farnesiana "
Zonguaria on hills "
Parkinsonia aculeata, in yards
Chilopsis along streams

Lordsburg left 3 P.M.

June 3 4475

All level to Summit &
all lower Sonoran

Summit 4475

Down grade to Gila

Duncan 3850

Barley ripe or nearly
Alfalfa some cut & stacked
Apples peroviti abn big
Cacti 16 in high

Potatoes 1 foot high
Cabbage, turnips, onions
being gathered

Lysaria borealis abn along river
Atriplex big bushy "

Prosopis glandulosa in full flower
Lissaria linearifolia? com, seed

Chilopsis in full flower
Salix nigra a few

Artemisia filifolia com.
Rosa trameucana? abn. in flower

Cultis. in garden
Bigelovia canescens big, on flats

Quartz 3650
Lipton 3700

Gila River

Eriogonum 316 obs.

Lophortyx gambeli 295 4, 3,

Mimosa leucophylla 703 com

Oxyechus vociferus 273 1

Chetivis vaudaei 263 4

Pyrocephalus? 1 near Guthrie

Guthrie 3450,

Cardinalis 1

Clifton 3700

Amphispiza bilineata 5 com

Salpinctes 1

Clifton

Garriga com. NW. slopes

Acacia constricta com. in flower

Dasylirion com. NW. slopes

Fouquieria in fruit

Opuntia engelmannii " "

" *schottii* " " a few flowers

" *leptocaulis* " " + flowers

Whole set of Lower Sonoran plants.

Albender trees in blossom

Parkinsonia in flower in yards

Prosopis glandulosa

Acacia constricta

Mimosa roemeriana? catclaw, in flower

Zizyphus

Larrea

Ephedra trifurcata

Yucca calycosa com

" *baccata* a few

Opuntia schottii

" *leptocaulis*

" *engelmannii*

" *big. no spines*

" *brown spines*

Cercos engelmannii, *petiolaris* on rock

Clifton June 3

Guthrie

Coronado - on ranch
daily stage to Salomonsville

Juniperus monosperma, a few
on N.E. slope at Coronado

Lycium pallidum, in spots

Salomonsville

Lordburg

4300

Lower Sonoran all the way

Brockman

4350

Good section house, pump, & tanks.

Forest of *Yucca radiata*

Ephedra trifurcata

abn

Good grass

Hachita

4550

Yucca radiata

abn.

" *pareata*

abn

Covillea

com

Lusseria glutinosa

abn

Ephedra trifurcata

Prosopis glandulosa

a few

Valle de las Playas

4575

Quinnas

4500

Agave

fig a few

Juniperus

in spots

Rodriguez

4220

June 3

Clifton

Guthrie

Cardinalis

2

Mimus luechters

com

Zenaidura

abn.

Catherpes aura

2

Buteo calurus

2

Duncan

Cardinalis

1

Lanius

1

W. Wash

Colaptes auratus

2

Lordburg

Brockman

Corvus cryptoleucus

abn.

Geococcyx

1

Callipepla

2

Hachita

Chiricahua

Upper Sonoran

Cynomys ludovicianus com
Dipodomys spectabilis abn
Schoenelirrhos com
Sturnella 2

Barnardino

Lower Sonoran again
Agave big

Douglas

Prosopis glandulosa abn
Baccharis glutinosa "
Covillea "
Acacia constricta "
Chilopsis "
Jouquieria on ridges
Agave big in hills
Scaevola "
Yucca baccata ? "

Over ridge

Juglans along cr.
Bisbee Junco

Adair

Sturnella 2

San Pedro R.

Prosopis glandulosa abn
~~*pubescens*~~ "
Mimosa biuncifera com
Acacia constricta "
Populus fremontii along river
Tamarix bovealis "
" *linearis* ? "
Yucca schottii com
Opuntia schottii ?
" "
Atriplex torreyi ? big
Fairbanks

Benson

Perceps tracks along
Lynx "
Lepus arizonae a few
Thomomys hills abn
Dipodomys merriami

Benson -

| | |
|-----------------------------------------------|--------------|
| <i>Zenaidura</i> | abn. |
| <i>Scardafella inca</i> | in town |
| White winged dove | 1 heard |
| <i>Callipepla squamata</i> | com |
| <i>Lophortyx gambeli</i> | " |
| Mexican quail, said to be in Yellowstone mts. | 1 heard |
| <i>Oryzopsis vocifera</i> | com |
| <i>Chondestes tenuis</i> | " |
| <i>Tyrannus vociferans</i> | 1 |
| " <i>verticalis</i> | 1 |
| <i>Myiarchus cinerascens</i> | young flying |
| <i>Sayornis</i> | abn. |
| <i>Pipilo aberti</i> | com |
| <i>Carpodacus frontalis</i> | " |
| <i>Amphispiza bilineata</i> | " |
| <i>Vireo stephensi</i> ? | abn. |
| <i>Amphispiza bilineata</i> | 1 |
| <i>Icteria v. longicauda</i> | com |
| <i>Mimus ludophra</i> | abn. |
| <i>Heliodites</i> | |
| <i>Piranga ludoviciana</i> | 18 drinking |
| <i>Gauricea c. azurea</i> | 18 |
| <i>Molothrus</i> | 2 |
| <i>Cathartes aura</i> | 2 |
| <i>Buteo borealis calurus</i> | 1 |

Salpinctes, in Yellowstone mts.
one came to mine shaft & carried away
15 millers in an hour & worked 10 hours
a day - feeding young. Carried
stones & put in front of nest -
Old miner.

Dryobates

Corvus cryptoleucus 2

Stelgidopteryx 1 no bird band 2

Taxostoma brevirostris ? faint ^{speaking} _{following} 1
one came down to drink

Taxostoma curvirostris 2

died in sand board up - like ho
gets food rapidly - digs deep hole
with 3 quick strokes.

Benson

Prosopis glandulosa abn

Mimosa roemeriana com

Acacia constricta on mesa

Baccharis borealis along R. abn

Lucanophila com

~~*Zinnia*~~ full of ripe fruit abn

Populus fremontii along R. a few

Shalix nigra " "

Atriplex torreyi com

Suaeda oppositifolia com

Roeberlinia on mesa com

Lycium andersonii " "

Ephedra " "

Covillea on mesa

Opuntia sebatti? a few

Opuntia engelmannii on mesa

" brown spined a few

Left Benson 4:30 PM

Agave big

Opuntia sp. very spiny, fruit.

first seen near Pantano

Pantano very spiny

Opuntia sp. very spiny

Agave com

Yucca palmieri, not blooming

Yucca radiosa in flower

Boquira sp. very abn.

Iron

Cereus giganteus fruit.

Echinocereus wislizenii com

Poliochloa com, fruit

Parkinsonia microcarpa

Zueson

Tucson June 5.

| | |
|---------------------------------------|-----------|
| <i>Cereus giganteus</i> | abu. |
| <i>Echinocereus wislizenii</i> | com. |
| <i>Opuntia spinosa</i> | abu. |
| " <i>versicolor</i> | " |
| " <i>schottii</i> ? | " |
| " <i>englemanni</i> ? | " |
| " brown spined | a few |
| " <i>leptocaulis</i> | " |
| " , 1, larger than <i>leptocaulis</i> | |
| <i>Agave</i> | |
| <i>Yucca palmieri</i> | com. |
| " <i>radicata</i> | com. |
| <i>Fouquieria</i> | abu. |
| <i>Prosopis glandulosa</i> | " |
| <i>Mimosa roemeriana</i> | abu. |
| <i>Acacia constricta</i> | " |
| <i>Parkinsonia microcarpa</i> | " |
| " | |
| <i>Koeberlinia spinosa</i> | com. |
| <i>Ephedra</i> | " |
| <i>Boerhaavia boerhaavia</i> | " |
| " <i>liveraeifolia</i> ? | " |
| <i>Lycium andersonii</i> | |
| <i>Zizyphus</i> | |
| <i>Populus fremontii</i> | |
| <i>Chilopsis</i> | |
| <i>Salix nigra</i> | |
| <i>Moussia</i> ? | on hills, |
| <i>Krameria</i> | |

In town - Tucson

| | |
|------------------------------------------|-------------|
| Fig trees | |
| Palmes, Washingtonia | |
| Oleanders, pink & white, trees in flower | |
| Pippa berry | old, common |
| Mulberry | ripe - |
| Zamarrisk | com. |
| Chinaberry + Umbrella trees | com. |
| Cottonwood | abu. |
| Willow - nigra | " |
| <i>Nicotiana glauca</i> | com. |
| Arundo <i>teeta</i> | by water |

Atriplex canescens com.

| | |
|------------------------------|--------|
| <i>Dipodomys spectabilis</i> | com. |
| " <i>merriami</i> | a |
| <i>Citellus tereticaudus</i> | abu. |
| " <i>gramurus</i> | 1 |
| <i>Onychomys leucogaster</i> | a few. |
| <i>Thomomys</i> | abu. |
| <i>Lepus arizonae</i> | com. |
| " <i>texensis</i> | " |

Crotalus 1

F. Tucson

Zenaidura @ few
Buteo calurus 1
Cathartes aura
Falco sparverius on giant cactus
Spizella socialis
Sayornis saya + nest
Pyrocephalus 1 ♀
Chordeiles texensis 1
Colaptes chrysoides 1
Lanius a few
Molothrus ater 3
Turdus palmeri
~~"~~
Heliodorus nests, com.
Mimus lucifera "
Catherpes on desert oak -
Carpodacus frontalis com.
Amphispiza bilineata 1
Passer domesticus, H. Arizona ^{at least} 1
Pipilo c. hesperus 2

Casa Grande Station June 7.

Prosopis glandulosa, abn.
 in fruit & flowers.
Croton in fruit, abn.
Atropis small leaf "
Yucca low, spiny "
Echinocactus wislizeni 2
Cereus giganteus 1

In Parks

Washingtonia com.
 Date palms - bearing -
 Figs a few
 Oleander trees 3 colors
 Mulia, umbrella trees com.
Nicotiana glauca abn.
Opuntia fig tree com.
 Pepper tree, full of berries abn.
Fraxinus long street com.
Populus fremontii, wegreen, a few
 Grapes
 Portegranites, full of fruit.
 Olive trees
Parsonsia aculeata? com.
Prosopis pubescens 2 in yard
 Roses abn.

Casa Grande June 7,
Calipepla gambeli, obs. half grown

Zonotrichia 8 nests, obs.
Melospiza lincolni com.

Catherpes aura 3

Buteo 1

Chordeiles texensis 1

Zyanus vociferans

Myiarchus cinerascens 2

Sayornis saya 1

Troglodytes lecontei com.

Mimus lincolni "

Psaltriparus Black capped 2 nests

Hirundo nests, com.

Totanus several

Aegialitis 3

Larus com.

Troglodytes bendirei "

" " *palmeri* "

June 8 back to Mts.

Cereus giganteus obs.

Opuntia spinosa "

" *versicolor* a few.

O.

Echinocactus wislizeni com.

Echinocereus engelmannii 1

Lycium 3,

Parkinsonia microcarpa obs.

Fouquieria "

Cercia "

Prosopis glandulosa "

Mimosa roemeria "

June 9 - Casagrande, 9 AM.

Erigeron Horng.

Holacanthus

abu.

Prosopis glandulosa

Covillea

Atriplex

Lycium

Maricopa

Cereus giganteus

Holacanthus

Parkinsonia microcarpa

Covillea

Atriplex

Yucca

Iron tree, Oliva

abu

Parkinsonia

Estrada Mts.

Cereus giganteus

abu.

Maricopa Mts.

Cereus giganteus

abu

Opuntia spinosa

"

"

"

"

"

Fouquieria

"

Iron tree

"

Poloverda

"

Prosopis glandulosa

"

Mimosa roemeriana

com
abu

Gila

Aste

Giant cactus

Gila City = Monitor

Atriplex hymenocarpa first, com

Salsa

Yuma

Bottoms flooded

Pluvula uacca

Baccharis glutinosa along R. at r.

Atriplex 3

1 - "

Salix

" " "

Populus

" " "

Prosopis pubescens

" "

Poloverda

on mesa

Iron tree

" "

Fouquieria

" "

Covillea

" "

Salsa

2

Atriplex

" "

Oxy

35 2 ft.

Mammuth

Saltan Sea - first view.

P. darwinii com
Iron tree "
Covillea "
Dalea big blue "
" small "
Atriplex low "
Ephedra big "

Shore of Saltan Sea
Flamingo Well

Imperial Junction
Iron tree com
Atriplex "
Covillea "

Volcano

Atriplex
Suaeda
Bertram
Prosopis glandulosa? a few
Atriplex abu
Covillea com,
Duravel

Dalea, big blue again
Prosopis glandulosa a few.
Atriplex
Covillea

Saltan

just Atriplex & a little Dalea
3 Mesquite trees

Covillea
Iron tree
Mesquite a few - com
Poloverde 2 com.

Mesa end of Saltan Sea
Prosopis pubescens^{abu.} first
Washingtonia in yards
Atriplex torreyi? big, abu.
Covillea others "

Suaeda^{abu.}
Ranches & fruit & trees

Coahuilla
Eucalyptus trees
Pepper trees
Prosopis glandulosa
Baccharis viminea

India

June 10, Indio - 22 ft below ^{sea level}

Washingtonia
Populus fremonti
Prosopis glandulosa abn
" pubescens a few
~~Bluea borealis~~
~~Baccharis~~ ~~canescens~~; abn
Atriplex ~~torreyana~~? big
" ~~canescens~~
" polycarpa? low
Baccharis ~~torreyana~~ viminalis com
" "serotina"?
Suaeda suffruticosa big

Indio
Side of valley

Covillea abn
Atriplex polycarpa
" hymenalytica
Lycium cooperi big
" andersoni?
Dalea fremonti big blue, com.
" glandulosa pollydemia
" ~~glandulosa~~ parvifolia?
Krameria ~~canescens~~?
Orthogonum ~~canescens~~
Eriogonum inflatum
" fasciculatum
" ~~glandulosa~~ glabra? leafy
" ~~glandulosa~~ glabra? leafy
Dalea ~~glandulosa~~ pollydemia pads, big blue
Washingtonia 3 groves
Opuntia echinocarpa? a few

Indio town -

Populus fremonti com
Melia - umbellata
Nicotiana glauca com
Oleander
Date palms a few, yg.
Orange trees a few
Fig big
Agave bush
Lantana
Piper trees com
Pithecolitium com, in fruit

India June 10.

Icterus

Sayornis saya com

Lophortyx gambeli + yg. com

Zenaidura "

Sedlicephagus cyanocephalus 1

Pipilo fuscus com

Quercus 1

Melospiza 7 nest, 1

Ereunetes melanocephalus 2

Salpinctes 2

Carpodacus com

Lanius 1

Myiarchus cinerascens 2

Polioptila 2

Auriparus

Geothlypis 1

Dipsosaurus com

Callisaurus "

Protaphys "

Cnemidophorus 1

To Palm Springs

Junell, Palm Springs
up mts -

Covillea - 22000

Dalea ~~glandulosa~~ ^{polyadenia} - 22000

Krameria ^{parvifolia} ~~canadensis~~ - 22000

Alnus ^{oblongifolia} ~~incana~~ - 1500

Junell - 22000

Junell - 22000

Junell - 22000

Junell - 22000

Junell - 22000

Junell - 22000

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Dr. Douglas H. Campbell
Botanist, Stanford.

Mr. Henry M. Campbell.

Castilleja 3000-
Philadelphus microphylla 4800-
Water at 5700 feet
Quercus big, 5700-
Quercus chrysolepis " -
" *californicus* tree, black, " -
Pinus ponderosa 5,700-
Pinus lambertiana 5,700-
Abies 5,600-
Pinus coulteri com. 5,600-

Valley
Prosopis glandulosa a few
" *pubescens* "
Atriplex lentiformis? big "
Quercus agrifolia abn.
Dalea big black com
" *glandulosa*? "
Croton californicus abn.
Fraxinus dumosa? "
Rhamnus purpurea "
Salix lasiolepis "
Atriplex polyacantha "
Covillea "

Eriogonum fasciculatum 4,300
Hesperis glabra 4,300

San Jacinto Mts - June 11
Corpodacus to 3000 feet, abn
Salpinctes 2 at 2000
Catherpes 2 at 1000
Hummer com. 1 shot at 1200
Corvus sinuatus 2 at 500
Chrysomitris palmarum? 1 at 2000
Acananthes melanoleuca com. at 5000
Polyptila cerulea 1 at 3000
Picus 1 "
Thryomanes 1 "
Myiarchus cinerascens? 2 "
Buteo calurus 3 "
Zonotrichia gambeli 1 at 2000, 1 at 5000
Oryzopsis 1 3700
Aphelocoma 1 "
Taxotoma 1, 5000
Pipilo megalonyx 3 at 5700

Up San Jacinto Mts. - Tennell

Neotomas in rocks 2000-
 Ovis? beds & trails 1000
 Odocoileus track at 2000
 Thomomys 2000-
 Eutamias 3000-
 Citellus fisheri 1
 Lepus arizonae? signs at 4000
 Scapanus ridges 3000-6000
 Palm Springs

In valley

Citellus tereticaudus com
 Thomomys perpallidus "
 Dipodomys deserti "
 " sinuatus "
 Ammospermophilus leucurus 1

Sceloporus
 Cnemidophorus
 Crotaphytus?
 Gila notata
 Dipodomys

Big Rock 3000-4000
 3000-3500
 on mt 3000
 1 sp. Murrey
 1 light

Palm Springs, up Mts.

Lower Sonoran,
 up to 3000 on N. 4000 on S. slopes

Upper Sonoran 3000 on N. to 6000.
 4000 on S. to 7000.

Transition 6000 on N. to
 " 7000 on S. to

Trees in yard at Palm Springs

Washingtonia
~~20 ft~~ (Sago palm)
 Date palms, several varieties

Quercus
 Eucalyptus
 Orange & lemon trees
 Olive

Fig - purple & white san pedro
 Prune & green plums

Pomegranates
 Quadelup cypress 1
 Italian cypress 2
 Scotch pine 1

Campbell tree

Guava

Olives, 3 kinds

Magnolia glauca?

Agaves

Yuccas

Pippert trees

Parkinsonia - paradise bush.

Levon Sago -

Tanierish
 grapes -

Umbrella trees

Pumpkin grass - 4 kinds.

Cosmeryna quadrangulata

Quercus

June 11
Palm Springs
Palm Spring Station
earlier to White water
White Water Station

" " 3 miles west
Change from extreme to semi arid.
same species but abundant

Cabezone Station
End of desert species

~~except~~
Chelopsis still com.
Opuntia not cactus-like abn.
" sprinkles, crossf. in
Mimosa com
Eriogonum bush "
None of these scarce &

Barrening -
All fruit & grain &
alfalfa & crops with
or without irrigation

Echitzia abn.
Wild oats "
Grass "
Weeds "
Sturnella neglecta com

Beaumont
San Bernardino
Los Angeles

June 12. Los Angeles
Hotel Rosslyn, 5th + Main.

June 13 out to Pasadena & back

June 15 To Occidental &
Twin Oaks

June 16, To Occidental
Twin Oaks

Quercus agrifolia
" dumosa
" wislizeni ?
Platanus racemosa
Rhus ovata
" laurina
" diversiloba
Rhamnus polystachya white sage
" stachyoides blue sage
Tonicera subspicata
Erydiction glutinosa
" nivea

Twin Oaks

Grovia
Eucalyptus
Pepper tree
Washingtonia
Chinaberry
Umbellifer
Cypress
Acacia

| | |
|-----------------------|---------|
| Orange | do well |
| Tangerines | " |
| Lemons | " |
| Grapefruit | " |
| Olive | " |
| Pears | " |
| Peaches | " |
| Apricots | " |
| Plums | " |
| Grapes | good |
| Apples | a few |
| Squats | " |
| Figs - purple & white | good |
| Chambray tree | 1 |
| Washingtonia | cons |
| English Walnuts | good |

June 18 - Oceanside

Populus
Alnus
Sedix nigra
" silver leaf
Sy. Camore
Rhus ovata
" laurina
"

Myrica Littoralis

Platanus racemosa

Sambucus glauca

Artunisia californica like filifolia

Lycium on coast

Catylodon edulis green on edge of

Catylodon pulchellum white on rocks

Yucca moravensis? big, com.

Opuntia engelmanni? ubi

Catylodon pulchellum
" edulis

Oceanside In town

Cypress abu.
 Eucalyptus many kinds, abu.
 Pines search? com.
 Pepper trees abu.
 Fig - white, bearing, com.
 Nicotiana glauca
 Zamaria
 Agave, big, many species com.
 Lantana "
 Washingtonia, 2 sp. "
 Provillea "
 Acacia com.
 Olives - over ridge
 Magnolia glauca big tree in place
 Bougainvillea
 Trumpet vine - thorny, big
 Potato vine
 Jassemium 3 varieties, white
 Yucca arborescens
 Date palms
 other palms
 Banana trees 2, 6 ft high.
 Arundinaria tecta, big patches -
 Poinsettia, big bush,

Oceanside, June 18-

Agelaius vociferus com.
 Ardea herodias "
 Lophortyx valliola "
 Zenaidura "
 Cathartes "
 Tyrannus vociferans "
 Sayornis nigricans "
 Euphagus cyanocephalus abu.
 Agelaius com.
 Molothrus "
 Otocoris "
 Carpodacus 4
 Pipilo fuscus "
 " "
 Melospiza com.
 Chondestes fasciata 2
 Petrochelidon abu.
 breeding on bank & old mill, 40 nests on end
 of mill, all used,
 Sturnella abu.
 Lanius 2, yg. com.
 Spizella 1
 Vireo 1
 Barn Owl 2 + 4
 Icterus nelsoni 1

Oceanside, June 18-

Citellus richardi

abn

Peromyscus boylii

"

gambeli

Rhithrodontomys

com.

Mus musculus

"

Microtus

abn

Neotoma fuscipes

1

Thomomys

abn

Zapus luduboni

"

"

calif-

afew

June 20 San Louis Rey

Lagoon

Fulica

3 ad & 3 yg

Podilymbus

2/1

Anas horreorum

1

Mosca

Mimus p. leucaptus

Perognathus

big

1 in nest

Pituophis

Eutaenia

Sceloporus biserialis

Gerrhonotus scincicauda

Phrynosoma blainvillii

Plant Catalogue 1907
No.

1165. *Opuntia occidentalis*

Warner Ranch, June 25,

1166. *Opuntia bernardina*? ~~affinis~~

Warner V. June 25,

Oceanside - June 26.

1167. *Asteriscia californica*

June 20

1168. *Populus trichocarpa*

1169. *Alnus rhombifolia*

1170. *Eriogonum fasciculatum*

Capistrano July 10

~~1171~~

1171. *Baccharis* ~~sericea~~? *viminea*

1172. *Baccharis glutinosa*? ~~sericea~~

Trabuco Canyon, July 15

1173. *Ribes* ~~hesperum~~? (C) ~~affinis~~, spiny

1174. *Ribes* ~~indocorum~~? (C) ~~not spiny~~

1175. *Quercus dumosa*

1176. *Fraxinus dipetala*

1177. *Rhamnus crocea*

Roberto Carrasco

1178. *Baccharis? crinita?* leafless

1179. *Pseudotsuga macrocarpa*

Caper

Capistrano, July 16.

1180. *Opuntia prolifera*

on shore of ocean

1181. *Opuntia occidentalis*

spiny

1182. *Opuntia occidentalis*

spinules

Santiago Canyon July 19

1183. *Opuntia*

small

1184. *Salix lasiolepis*

tree

1185. *Salix latifolia*

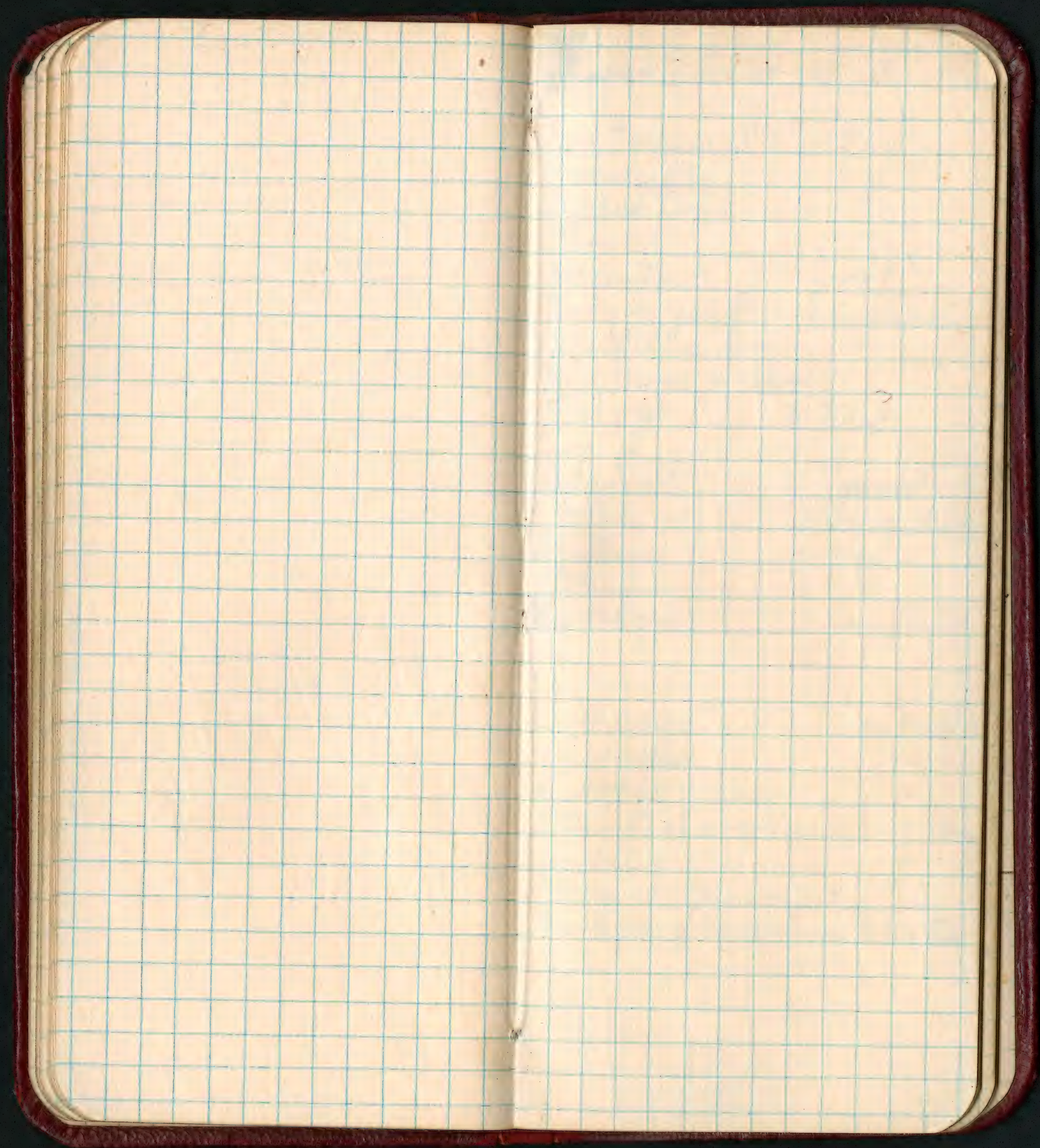
big leaf

1186. *Salix macrostachya* - leaves leafy

1187. *Pentstemon antershioides*
lush, yellow







Jan 22 Escondido

San Pasquel Valley

Eucalyptus

Popper trees

Alfalfa

Walnuts -

good

Pourquillo

1 in flower

umbrella tree

Mestera glauca

Orange

2 trees

Fig

Apple

good

Silver

along river

Platanus

Populus

Baccharis

in flats

White sage

on foothills

Blue sage

Natalia glabra

Opuntia engelmannii

Sambucus

Eriogonum fasciculatum

Prosopis glandulosa 1 big tree

San Pasquel Valley, Jan 22

| | |
|------------------------------|------------------|
| Zenaidura | com |
| Cathartes | " |
| Lophortyx vallida | " |
| Agelaius | not observed obs |
| Euphagus | com |
| Aphelocoma | 3 |
| Melospiza | com |
| Pipilo fuscus | " |
| Auragalinus m. hesperophilus | " |
| " lawrencei | " |
| Lanius | " |
| Icteria v. longicauda | heard |
| Tyrannus vociferans | com |
| Vireo | heard |
| Petrochelidon | com at barn |
| Carpodacus | com |
| Agelaius phoeniceus | 1 |
| Agelaius | |
| Oxyechus vociferus | 1 |
| Dendroica aestiva | 2 |
| Sturnella | common |
| Trachurus | 1 |
| Phainopepla | 1 |
| Mimus lucifera | a few |
| Icterus ussuriensis | 2 |
| 1300 feet | |
| Contopus richardsoni | com. |
| Pipilo megalonyx | 1 heard |
| Psathyrus | a family |
| Melanerpes formicivorus | 1 |
| Corvus brachyrhynchos | 2 |

up Canyon

Upper Sonoran begins N. Slope at 7000

| | |
|-------------------------|------------|
| Acerobates fasciculatum | " |
| Ceanothus divaricatus | " |
| Heteranthes | " |
| Cercocarpus pauciflorus | " |
| Arctostaphylos | thick bush |
| Ceanothus integrifolius | ? |
| Rhus | thick leaf |
| Mimulus | shrubby |
| Quercus wislizeni | ! |
| " agrifolia | 3000- |
| " Douglasii | 13000- |

Divide 15000

Rancho 14000

| | |
|---------------|------------------------|
| Eucalypto | |
| umbrella tree | |
| Washingtonia | 2 young |
| Olive trees | a few |
| Lemon trees | 4 small, full of fruit |
| Pepper trees | com. - a few big |
| Orange trees | just of fruit |
| Fig | " |

| | |
|--------------|-----|
| Populus | com |
| Salix | " |
| Platanus | " |
| Thorsdendron | 2 |

Rancho

| | |
|--------------------------------|-------|
| <i>Falco phalaena</i> | (|
| <i>Otocoris</i> | com |
| <i>Sialia mex.</i> | h |
| <i>Agelaius phoeniceus</i> | 1 |
| <i>Zenaidura</i> | com |
| <i>Troglodytes</i> | " |
| <i>Cathartes</i> | " |
| <i>Melanerpes formicivorus</i> | 1 |
| <i>Tyrannus</i> | com |
| <i>Carpodacus</i> | " |
| <i>Aphelocoma</i> | " |
| <i>Tyrannus</i> | 1/2 |
| <i>Pipilo fuscus</i> | abn. |
| <i>Euphagus</i> | a few |
| <i>Sturnella</i> | com |

Over ridge

| | |
|--------------------|-----|
| <i>Phainopepla</i> | 2 |
| <i>Sturnella</i> | abn |

Witch Creek

| | |
|--------------------------------|--------|
| <i>Phalaenoptilus nuttalli</i> | heard |
| <i>Megascops</i> | " |
| <i>Carpodacus</i> | abn |
| <i>Hummer</i> | 1 |
| <i>Habia melanocephala</i> | + nest |
| <i>Icterus</i> | |

Up slope

- 2500

| | |
|-------------------------------|----------|
| <i>Adiantum</i> | " |
| <i>Eriogonum fasciculatum</i> | " |
| <i>Arctostaphylos</i> | " |
| <i>White sage</i> | " |
| <i>Quercus ag?</i> | " |
| <i>Hesperis</i> | " |
| <i>Ceanothus divaricatus</i> | 2400 - " |
| <i>Arctostaphylos</i> | 2400 - " |
| <i>Sambucus</i> | " |

Summit 2500

Witch Creek

| | |
|-----------------------|------|
| <i>Adiantum</i> | 2400 |
| <i>Arctostaphylos</i> | 2800 |
| <i>Peaches</i> | |
| <i>Pears</i> | |
| <i>Grapes</i> | |
| <i>Figs</i> | |

English Walnuts a few good
Pomegranates 1 small tree in fruit

| | |
|----------------------------|--|
| <i>Quercus agrifolia</i> | |
| <i>Quercus engelmannii</i> | |
| <i>Quercus laevis</i> | |

Salix
Platanus
Wyethia
Peonia brownii

June 23, Witch Creek 2800

Ridge

3100

Santa Ysabel

3000

Zenaidura

com

Cathartes

"

Melanerpes formicivorus

"

Otocoris

"

Thryothorus

"

Coturniculus

"

Aphelocoma

"

Falco sparverius

2

Foramimus

Sialia bairdi?

com

Corvus brachyrhynchos

2

Speotyto

family

Warner Valley

Corvus brachyrhynchos

com

Falco sparverius

"

Loxia valisella

"

Zenaidura

"

Cathartes

"

Colaptes cafer

2

Melanerpes

3

Dryobates pubescens

1

Aphelocoma

com

Pipilo fuscus

"

Sialia bairdi

"

Mimus

a few

Geothlypis

1

Ploceus

com

Mniotilta

a few

Santa Ysabel

Quercus agrifolia

com

" engelmanni

4

" dumosa

1

Platanus along stream

1

Salix

"

Sambucus glauca

1

Phoradendron flavescens

com

La oak, willow & algaroba

Grand Valley

Quercus californica

3300

Wild rose

com

Ceanothus divaricatus

com

Warner Valley

2700

Quercus agrifolia

abundant

" engelmanni

"

" dumosa

"

Sambucus

inblossom

Salix

along stream

Arctostaphylos viscidula

edge, com

Adiantum pseudopinnatifidum

"

" big red, com in flower

Ceanothus divaricatus

at edge

" cuneatus

"

Prunus ilicifolia

"

Prosopis glandulosa, 1 big

Warner Valley

| | |
|----------------------|---------------|
| <i>Coturniculus</i> | heard |
| <i>Sturnella</i> | com |
| <i>Oxyechus</i> | X |
| <i>Sporotylus</i> | ? |
| <i>Chondestes</i> | com |
| <i>Progne</i> | 1 |
| <i>Petrochelidon</i> | abn, breeding |
| <i>Sayornis</i> | 1 |

| | |
|------------------------------|-------|
| <i>Taxidea</i> | com |
| <i>Canis coyote</i> | com |
| <i>Citellus beecheyi</i> | abn. |
| <i>Thomomys</i> | " |
| <i>Dipodomys</i> | " |
| <i>Lepus arizonae</i> | com |
| <i>Peromyscus gambeli</i> | 2 |
| " <i>boylii</i> | 2 |
| <i>Microtus californicus</i> | 1. vt |

Baselium 2
Phrynosoma hernandesi

June 24 Warner P.O. 3000

| | |
|-----------------------------|----------------------|
| <i>Opuntia</i> | small arboresc., com |
| " | echinocarpa? " |
| <i>Artemisia tridentata</i> | " |

Divide 3450

Down San Felipe Valley

| | |
|--------------------------------|---------------|
| <i>Ocaea rostrata</i> | abn. - 2700 |
| <i>Chilopsis</i> | com " |
| <i>Croton</i> | not typical " |
| <i>Eriodictyon glaberrimum</i> | " |
| <i>Opuntia basilaris</i> | com " |
| <i>Prosopis glandulosa</i> | 2600 |
| <i>Wibauxia</i> | " |
| <i>Salix nigra</i> | " |
| " | yellow " |

| | |
|-------------------------------|---------------------|
| <i>Sesuvium</i> | on side hills, com. |
| <i>White sage</i> | " |
| <i>Eriogonum fasciculatum</i> | "capitulum" " |
| <i>Populus</i> | in bottom |

South side of valley

| | |
|-----------------------------|----------|
| <i>Agave deserti</i> | abn |
| <i>Yucca wrightii</i> | " |
| <i>Juniperus monosperma</i> | " |
| <i>Quercus dumosa</i> | " |
| <i>Rhus</i> | big leaf |
| "Zengier" | " |

June 24.

San Felipe Valley

| | |
|------------------------------|-------|
| <i>Leptostyx</i> | com |
| <i>Carpodacus</i> | " |
| <i>Merula</i> | " |
| <i>Icterus bullocki</i> | " |
| <i>Icterus v. longicauda</i> | " |
| <i>Geococcyx</i> | 1 |
| <i>Lanius</i> | com |
| <i>Quercus laevis</i> | 1 |
| <i>Corvus</i> | a few |
| <i>Euphagus</i> | " |
| <i>Colinus passerina</i> | cf |

East end of Valley

| | |
|-----------------------------|-----|
| <i>Sayornis saya</i> | com |
| Barn owl in hole in bank | 1 |
| <i>Amphispiza bilineata</i> | |
| <i>Nyctocorax</i> | 1 |

Barnes

| | |
|----------------------------|---------------|
| <i>Phainopepla</i> | com |
| <i>Oreothlyx</i> | sand & sh com |
| <i>Leptostyx vallicola</i> | com |

San Felipe Valley

| | |
|----------------------|-------|
| <i>Crotaphytus</i> | -2700 |
| <i>Cnemidophorus</i> | - " |
| <i>Rhopile</i> | |

| | |
|-----------------------|--|
| <i>Lepus texensis</i> | |
| " <i>Auduboni</i> | |

| | |
|------------------------------|-----|
| " <i>arizonae</i> | |
| <i>Citellus tereticaudus</i> | 1 |
| <i>Citellus beecheyi</i> | com |
| <i>Onychomys leucogaster</i> | com |
| <i>Thomomys</i> | |
| <i>Dipodomys</i> | |
| <i>Neotoma</i> | |

East end San Felipe Valley 2400

Prosopis glandulosa abn.

Mimosa roemeriana "

Covillea "

Yucca underoii com.

" 'spatulate' big leaf "

Ephedra "

Thamnosoma com.

Coloquintida "

Opantha echinocarpa "

" 'englemanni' "

Condalia "

Pegelovia like shrubs, 3 "

Atriplex polycarpa "

" 'caeseros' "

Cercus englemanni "

Baccharis borealis along cr. "

Ranunculus fulvus 2700

Quercus 3. com.

Platanus "

Populus fremontii "

Alnus "

Salix "

Vitis "

Sambucus "

Yucca whipplei com.

Rhus big leaf "

Adiantum farinatum "

Haradia glabra "

Ceanothus divaricatus big flowers "

Ceanothus wide leaf abn.

up grade

Ceanothus ilicifolia abn.

Arctostaphylos patula?

Heterorhizus com.

Prunus ilicifolia "

Arctostaphylos *rigida* "

Ribes cereum a few

Cercocarpus parviflorus

Ceanothus bush, red,

White sage - *Ranunculus polytachia*

Torrionea old

Cercis

Quercus californica 4000 -

" 'chrysalis' "

Top of Grade 4000

Pinus contorta com.

Quercus californica abn.

" 'agrifolia?' on S. slopes

"

Arctostaphylos glabra abn.

Wyethia "

Rhamnus californica? com.

Pteris "

Symphoricarpos *rostrata*

Rosa abn.

Lupinus big

Penstemon red

Thermopsis big, woody

Platanus in gulches

Phoradendron on rocks, abn.

Julian 4.2.19.

| | |
|-------------------------------|----------|
| <i>Sturnella</i> | com |
| <i>Coturniculus</i> | heard |
| <i>Habia melanocephala</i> | swind |
| <i>Caerodaca</i> | com |
| <i>Cortopus richardsoni</i> | frs |
| <i>Chondestes</i> | com |
| <i>Coscorus</i> | 1 |
| <i>Agarospiza canina</i> | 2 |
| <i>Tachycineta thalassina</i> | 1 |
| <i>Spizella arizonae</i> | 1 |
| <i>Spizella</i> | com |
| <i>Manacus purpuraceus</i> | " |
| <i>Pipilo megalonyx</i> | " |
| <i>Mogadestes</i> | " |
| <i>Sitta bairdi</i> | a few |
| <i>Sitta a. nelsoni</i> | 1 |
| <i>Oreothlypis</i> | reported |

River valley to Lake side

| | |
|------------------------------|--------|
| <i>Leptoceryx callicauda</i> | com |
| <i>Zenaidura</i> | " |
| <i>Cathartes</i> | a few |
| <i>Colaptes cafer</i> | 2 |
| <i>Trochilus?</i> | a few |
| <i>Tyrannus vociferans</i> | com |
| <i>Phainopepla</i> | abund. |
| <i>Chondestes</i> | " |
| <i>Polygrapha</i> | 1 |

Julian June 25.

Transition zone 4000-5000 ft.

Upper Sonoran 2000 - 4000 ft.

Lower Sonoran - 2000 ft.

River - 1000

| | |
|-------------------------------------------|-----------|
| <i>Populus fremontii</i> | abund. |
| <i>Platanus</i> | " |
| <i>Alyrus</i> | com |
| <i>Salix nigra</i> | " |
| <i>Quercus agrifolia</i> | " |
| <i>Alnus</i> | " |
| <i>White sage</i> | " |
| <i>Husackia globosa</i> | abund. |
| <i>Astragalus californicus</i> | com |
| <i>Rhus</i> | long leaf |
| <i>Croton californicus</i> (not texensis) | " |
| <i>Erigeron annuus</i> | " |
| <i>Setaria</i> | " |
| <i>Baccharis borealis</i> | " |
| <u>Lake side valley</u> | |
| <i>Baccharis 'pifolia'</i> | " |
| " "densifolia" | " |

Lakeside

June 24

Orange

big groves, good

Olive

good, abn.

Washingtonia

Eucalyptus

abn

Pepper tree

"

Oleander trees

Agave

big

Umbrella trees

com

Populus fremontii

abn

Salix

"

Platanus

"

Baccharis 'filifolia'

"

"

"

Opuntia engelmannii

"

Sambucus

Eriogonum fasciculatum

Prosopis

1 big tree

White sage - on hot slope

up Sycamore cut grass

Adiantum

abn

Ceanothus 'integrifolius'?

"

Heteromeles

"

Prunus 'insipida'

"

Rhamnus crocea?

"

Lesqueris diversifolia

com

Metastrophylis bicolor

"

Quercus dumosa

abn

Lakeside, June 24

Zonotrichia

com

Zonotrichia

abn

Zonotrichia

"

Sturnella

com

Cathartes aura

"

Tyrannus vociferans

com

Lanius ludovicianus

"

Vireo hirsutus

com

Cardinalis

"

Colaptes cafer

"

Chondestes

com

Euphonia

"

Atlapetes

"

Arremonops

"

Geothlypis

"

up Sycamore

Pipilo fuscus

com

up Grads
 Ribes
 Rhus *Asiaticus* spring
 " *arvensis* leaf com

"mullen sage" com
Artemisia californica "
Yucca whipplei "
 Blue sage in places

top of ridge 1400

Loway Valley 1000
 open shrub, lower down

Eucalyptus 200 ft
 Grouse 2 big trees
 Pepper trees
 Agave 'margarita' big

Bernardo Valley
 open shrub, lower down
 Eucalyptus
 'Papa' on ground
 Orange

Escondido

Zwin Oaks

June 27
 To Oceanside

July 2 To San Diego
 In town

Eucalyptus abn.
 Auriparia? "
 Ficus elastica big, com.
 Camphor trees "
 Grouse "
 Fan palms "
 Date palms "
 Pepper trees abn.
 Umbrella trees "
 Acacia trees com
 Cypress "
 Pines "
 Agaves big "
 Bougainvillea "
 Pomegranates, in flower & fruit, com.
 Magnolia grandiflora 1
 Fig a few

Del Mar

Pinus torreyana com
Elaeagnus rigida com.

July 4

Santa Anna - Daylight

Orange groves extensive

Walnut

"

Apriests

"

Los Angeles

Burbank

Opuntia engelmanni abn.

Artemisia (arborescens yellow) "

Artemisia californica "

White sage "

Eriogonum "

" Calif. (like *texensis*) "

Boerhaavia borealis "

" "filifolia" "

Sambucus

Cucurbita

Quercus whipplei a few

big grass fields

Chatworth

Yucca

Quercus agrifolia abn.

Rhus laurina fig "

Hesperomela "

Adiantum "

Blue + white sage "

Artemisia calif. - "

Burbank

Orange

Olive

Walnut

Grapes

Peaches

Apriests

Eucalyptus

Palms

Grains -

Chatworth

Yucca

Quercus lobata, abn., first.

Open valley from Santa Susana
to Yucca - Lower Sonoran.

Grains

Beans

Sugar beets

Ventura

Only low drapped, sage etc.

Eucalyptus abn.

Papaya tree "

Figs + Date palms in yards.

Figs a few large trees

Wickströmia graveola

Along beach

mainly chaparral, low.

Mt. Tamalpais

Chrysothamnus arborescens
Ribes cereum *pillulae* *conjugatum*
Vaccinium ovalifolium
Rhamnus californica
Garrya fruticosa
" *elyptica*
Prunus emarginata
Lonicera
Rosa gymnocarpa
Psoralea arborescens
Pseudotsuga taxifolia
Torreya

July 7 San Francisco
Oakland 5:38 P.M.

Eucalyptus com
Washingtonia "
Phenax ? "
Peperomia "
Ficus "
Reynoldsia "

Fruitfuls

Apocynum abn
Peaches "
Pears "

San Leandro

English walnuts a few
Apocynum abn
Peaches "
Pears "
Potatoes "
Peas "
Oats "

San Lorenzo

Rubus fig fields
alfalfa abn.

Hayward

Warm Springs

Olives fig trees

San Jose - dusk

July 8 To Los Angeles

July 9 Los Angeles

Anheim

Opuntia occidentalis abn.
 Croton californicus "
 Eremocarpus setigerus "
~~Orange~~ ~~sericea~~ along stream
 Orange
 Opuntia occidentalis "
 Croton californicus "
 Eremocarpus setigerus "
 Baccaris sericea along stream
 Oranges etc. abn.
 Loquats com.
 Figs "
 Camphor tree big
 Palms many kinds abn.
 Walnuts "
 Pepper trees "
 Eucalyptus "
 Magnolia glauca in place 1
 Yucca tree com.

At Torro
Cepistrano

Cepistrano

Platanus racemosa com
 Salix abn.
 " "
 Sambucus glabra "
 Quercus agrifolia 2
 Nicotiana glauca com
 Baccaris ^{minima} ~~sericea~~ "
 " low "
 Rosa by ex. in blossom
 Opuntia occidentalis big com
 Cylindropuntia bernardina? a few
 Eremocarpus setigerus
 Artemisia californica
 Opuntia bernardina? com
 " occidentalis? "
 " very spiny "
 " spineless "

At Shore

Rhus integrifolia com.
 Erriogonum fasciculatum abn.
 Atriplex com
~~Stachys~~ Isomeris arborea "
 Lycium a few
 Suaeda abn.
 Opuntia littoralis? big "
 " prolifera "

Capistrano

Oranges com. good,
 Lemons " "
 Pomegranates in flower+fruit, com
 Olives " "
 Loquats 1 tree
 Bananas, small, kill down,
 Fig com
 Fan palm "
 Date like palms "
 Pepper trees abn.
 Eucalyptus "
 Walnuts, English - "
 Acacias a few.

Capistrano, July 9,

Buteo elegans com
Falco sparverius 2 com
 Barn Owl old+yg. com
Sparcoptes com
Cathartes aura com
Zenaidura "
Zonotrichia albicollis 1
Oryzopsis com
Colaptes collaris 8 abn.
Trochilus alexandri com.
Agelaius phoeniceus 4 com.
Tyrannus vociferans com
Sayornis nigricans "
Vireo gilvus 2 com
Agelaius neutralis com

Euphagus cyanocephalus com
Melospiza m. frontalis 1 yg. com.
Cardinalis californicus com
Pipilo f. sinicola "
Astragalinus lawrencei "
Mimus hesperophilus, green - com
Icterus nelsoni "
Petrochelidon nests abn.
Sturnella com.
Ceryle alcyon 1
Lanius 4
Troglodytes a pair com.
Lagostomus 1
Corvus brachyrhynchos 7
Chondestes a family, 5 yg. + old.

Cipistrano July 10 & 11.

| | |
|----------------------------------------|-------------|
| <i>Aquila chrysaetos</i> | 7 |
| <i>Charadrius texensis</i> | 3 |
| <i>Otocoris</i> | 5 |
| <i>Trametes verticalis</i> 1 dd, 1 yg. | |
| <i>Dendroica gestiva</i> | com |
| <i>Cyanospiza cyanea</i> | |
| <i>Geothlypis trichas</i> | 1 dd, 1 yg. |
| <i>Geothlypis</i> | 1 black |
| <i>Ardea herodias</i> | 1 |
| <i>Myiarchus</i> | 1 |
| <i>Chondestes</i> | 1 |
| <i>Sayornis saya</i> | 1 July 14 |
| <i>Icteria virens</i> | a few |
| <i>Buteo swainsoni</i> | 1 black |

up Trabuco Canyon July 15

| | |
|-----------------------------|-----|
| <i>Contopus richardsoni</i> | com |
| <i>Progne subis</i> | 8 |
| <i>Abelocoma</i> | com |
| <i>Chamaea</i> | com |
| <i>Phaeophylax</i> | 12 |
| <i>Corvus sinuatus</i> | 3 |
| <i>Pipilo megalonyx</i> | 1 |

July 15 up Trabuco Canyon

| | |
|--------------------------------|-----------------|
| <i>Platanus racemosa</i> | abundant |
| <i>Salix</i> | 2 sp. |
| <i>Quercus agrifolia</i> ? | a few |
| <i>Alnus rhombifolia</i> | " |
| <i>Sambucus glauca</i> | " |
| <i>Artemisia californica</i> | com |
| <i>Baccharis viminea</i> | com |
| " <i>pillularis</i> ? | to |
| " <i>Sequoiadendron</i> (1175) | 1200 ft |
| <i>Rhus laurina</i> | x |
| <i>Ranunculus polytachus</i> | x |
| " <i>stachysoides</i> | x |
| <i>Eriogonum tomentosum</i> | 1200-1400 |
| <i>Budelia pulcherrima</i> | " - x |
| <i>Yucca whipplei</i> | 1300 - x |
| <i>Rhamnus crocea</i> | " - x |
| <i>Populus trichocarpa</i> | a few at 900 ft |
| <i>Rhamnus californica</i> | 1300 - x |
| " <i>tomentosa</i> | " - x |
| <i>Ceanothus divaricatus</i> | 1200 - x |
| " <i>intergerimus</i> | " - |
| <i>Hesperomela</i> | 1400 - x |
| <i>Rhus ovata</i> | 1400 x |
| " <i>trilobata</i> | 1300 - x |
| " <i>diversiloba</i> | " - x |
| <i>Eriogonum fasciculatum</i> | 1200 - x |
| <i>Ranunculus coulteri</i> | 800 - x |
| <i>Hesperomela glauca</i> | 1200 - x |
| <i>Lonicera subspicata</i> | 1300 - x |
| <i>Adiantum fasciculatum</i> | 1300 - x |
| <i>Thymelaeaceae</i> | 1 of 1500 - x |

In Canyon 1300 - 2300 feet

Vitis

Prunus ilicifolia

Ribes

"

Populus fremonti 1 at 2000 -

Quercus dumosa 2300 -

Pseudotsuga macrocarpa " -

Acer grandidentata " -

Fraxinus bipartita " -

Cercocarpus parvifolius " ^{scw.} -

Rubus blackberry 2000 -

" raspberry " -

Pteris " -

Adiantum " -

Woodwardia " -

Christmas fern? " -

Psoralea borealis " -

Lilium " -

Pinus contorta 3 groves

Juniperus said to be a little

Umbellularia "in places"

Quercus wislizeni? "white oak"

Reported by forest ranger Robbins.

July 19 up San Diego Canyon

Platanus racinosa

Amureus agripolia

Satix

"

"

Sambucus glauca

Rhus laurina

" ovata

" diversiloba

Baccharis viridis

Populus trichocarpa

Rhus stachyoides

" polystachia

" nica

Eriogonum ~~viridifolium~~ tomentosum

Umbellularia 1 tree

Opuntia yellow spines, big

" spines -

" spiny, little

" branched?

Artemisia californica

"

Lunch 1000 feet

Heteromeles

Adenostoma procumbens

Rhamnus crocea

Ronneya coulteri

Ribes

Baccharis

Chenopodium foetidum

spring

water

Rhamnus tomentosa
Croton californicus
Eumecarpus schlegelii
Rosa
Vincetoxicum glutinosum
Grindelia
Madia elegans
Helianthus
Muslard
Leadote thistle

Santa Ana & vic.

Palms, Pheax, many kinds large
 Washingtonia " large
 Yucca palms com.
 Cryptomeria whorled branches
 " spiny leaved
 Camphor trees abn.
 camphor like trees, cup flowers
 Eucalyptus abn. big
 Pepper trees " "
 Magnolia glauca com. big.
 Acacia trees "
 Orange great groves
 Lemon "
 Loquat com.
 Fig, apricot, peach, pear, "
 Walnuts abn.
 Poinsettia in town
 Papyrus "
 Castor bean abn.
 Peas, beans, chilies, tomatoes
 peanuts, sweet potatoes, com.
 Pomegranates full of fruit
 Olives east on hills

July 21, Santa Ana
To Newport beach + back
Beach

Abronia

Mesembryanthemum latral

Atriplex

Suaeda

Salicornia?

back on mesa

Opuntia occidentalis, on banks

Euroscarpus setigerus

Com

Madia elegans

"

Grindelia

"

Mustard

"

Wild oats

"

grass

"

Eriogonum fasciculatum

a little on high banks

o

Howard K. O'Brien, Supervisor
Wallowa, Oregon

Coville in care of O'Brien

W. F. Adams,

Shattuck, Oklahoma

Joseph Greinwell, 576, N. Mareno
Seven Oaks now in Wits

Mr. Andrew Hopper

Lordsburg, N. M.

Mrs. E. L. Fuller, Lordsburg

C. L. Shaw, Casa Grande, Ariz.

Dr. Willwood Murry, Palm Springs

Mr. C. Wood, Witch Creek

Joseph Hedges, First Nat. Bank
Escondido, Calif.

H. T. Blake, Oceanside

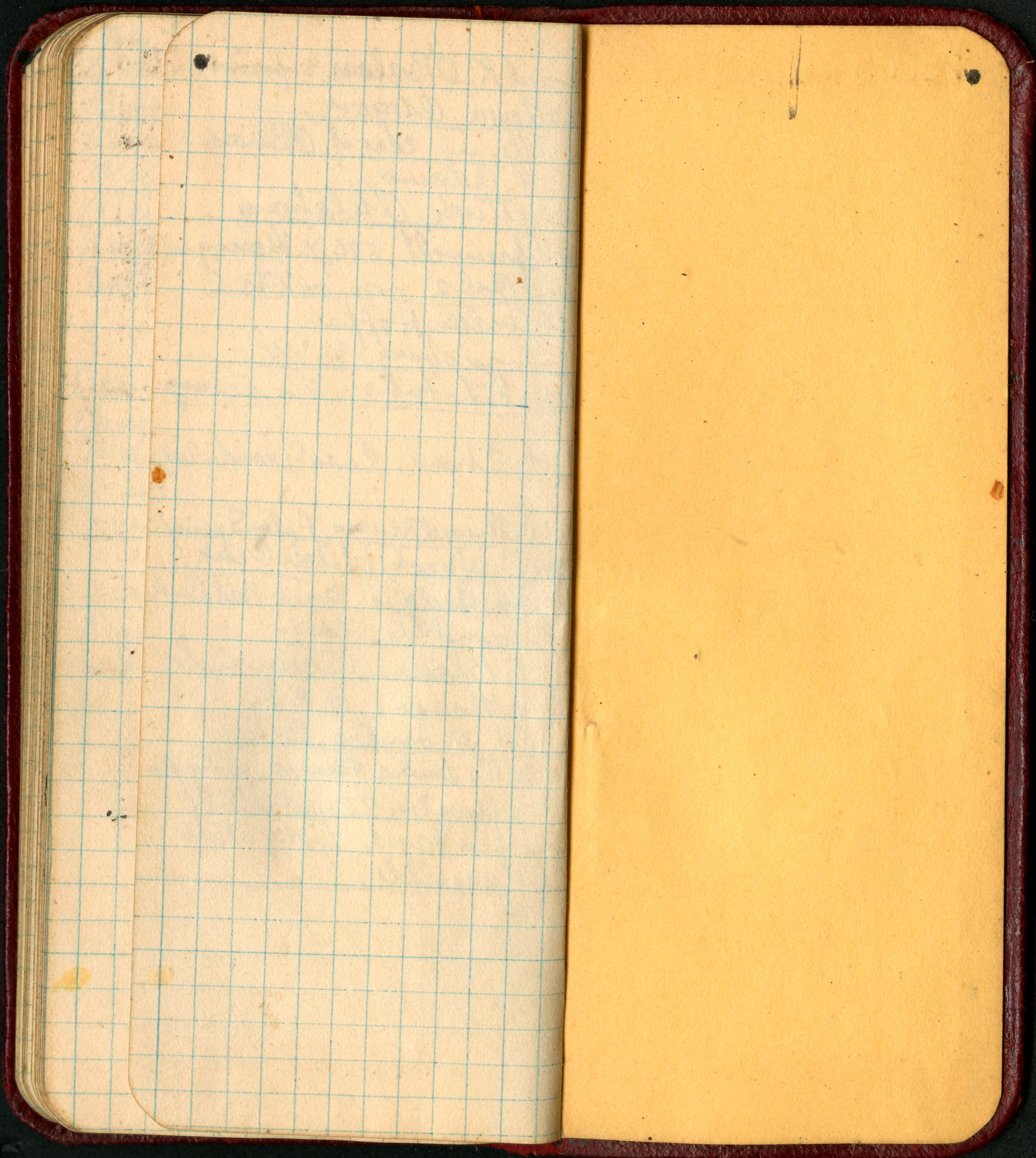
S. C. Mason, B. P. I.

Met at Indio, Calif.

Walter Lewis Kearn, photographer

Los Angeles, 321 S. Hill St.

Griffin Hayes, Livery Stable
Oceanside.



2590 1/4

Woods Hotel
Cada Grande

Jack M. E. Coy, Cada Grande

Witch, Ca.

Fishes by R. A.
Stag to Witch Creek

Mr. Marshall

H. Bowie

The Post, H. Brown

3811 House

3111 Laboratory

Dr. M. E. Dugan

Wild flowers of Calif.

Buck + ~~Lewis~~ Parsons

Calif. Wild Flowers

Big Mrs. Davidson

H. Brown for wife P. 24

E. L. Vail Tucson
for wife B. 24

389, Check to Greens

P. S. Sporkman killed
Ami Golsh has charge
^{also, Miss Appandi}
San Juan Indians baskets

F. W. Koch
2043 Barrman St.

W. W. M. 3736 5th
Am. Nat. Bank

Prof. Spalding, Tucson
for Calif. Farnas when out

Botany of Los Angeles Region
Abrams.

Key stone 10th + E. Room 20

W. S. Rice, Stockton

530 North Commerce

